



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

April 26, 2018

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 04/12/18 10:34 through 04/17/18 10:19.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
East St. John the Baptist Hig	8041201-01	Air	04/10/18 11:31	04/12/18 10:34
Levee C1	8041201-02	Air	04/10/18 11:57	04/12/18 10:34
Levee C2	8041201-03	Air	04/10/18 11:57	04/12/18 10:34
238 Chad Baker	8041201-04	Air	04/10/18 12:04	04/12/18 10:34
Acorn and Hwy 44	8041201-05	Air	04/10/18 11:53	04/12/18 10:34
Fifth Ward Elementary School	8041201-06	Air	04/10/18 12:01	04/12/18 10:34
Ochsner Hospital	8041201-07	Air	04/10/18 11:45	04/12/18 10:34
Acorn and Hwy 44	8041616-01	Air	04/13/18 10:25	04/16/18 11:45
Levee	8041616-02	Air	04/13/18 10:27	04/16/18 11:45
Ochsner Hospital	8041616-03	Air	04/13/18 10:18	04/16/18 11:45
238 Chad Baker	8041616-04	Air	04/13/18 10:34	04/16/18 11:45
Fifth Ward Elementary School	8041616-05	Air	04/13/18 10:30	04/16/18 11:45
East St. John the Baptist Hig	8041616-06	Air	04/13/18 10:14	04/16/18 11:45
East St. John the Baptist Hig	8041616-07	Air	04/13/18 10:14	04/16/18 11:45
Acorn and Hwy 44 C1	8041710-01	Air	04/16/18 13:27	04/17/18 10:19
Acorn and Hwy 44 C2	8041710-02	Air	04/16/18 13:27	04/17/18 10:19
Fifth Ward Elementary School	8041710-03	Air	04/16/18 13:35	04/17/18 10:19
238 Chad Baker	8041710-04	Air	04/16/18 13:38	04/17/18 10:19
Levee	8041710-05	Air	04/16/18 13:32	04/17/18 10:19
Ochsner Hospital	8041710-06	Air	04/16/18 13:17	04/17/18 10:19
East St. John the Baptist Hig	8041710-07	Air	04/16/18 13:13	04/17/18 10:19



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8041201-01

Sampled: 04/10/18 11:31

Pressure @ Receipt: 8.00" Hg

Canister #: A21086

Received: 04/12/18 10:34

Comments: PR-14 Start 11:31 4/9/18

Analyzed: 04/12/18 23:06

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee C1

Lab ID: 8041201-02

Sampled: 04/10/18 11:57

Pressure @ Receipt: 8.00" Hg

Canister #: 22327

Received: 04/12/18 10:34

Comments: Col 1 PR-24 Start 11:48 4/9/18

Analyzed: 04/13/18 00:08

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.288	1.05		0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee C2

Lab ID: 8041201-03

Sampled: 04/10/18 11:57

Pressure @ Receipt: 9.50" Hg

Canister #: 19291

Received: 04/12/18 10:34

Comments: Col 2 PR-8 Start 11:48 4/9/18

Analyzed: 04/13/18 01:11

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.280	1.02		0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8041201-04

Sampled: 04/10/18 12:04

Pressure @ Receipt: 7.50" Hg

Canister #: SAT004

Received: 04/12/18 10:34

Comments: PR-18 Start 11:54 4/9/18

Analyzed: 04/13/18 04:18

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0117	0.04	U	0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8041201-05

Sampled: 04/10/18 11:53

Pressure @ Receipt: 8.00" Hg

Canister #: A21073

Received: 04/12/18 10:34

Comments: PR-23 Start 11:43 4/9/18

Analyzed: 04/13/18 05:20

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8041201-06

Sampled: 04/10/18 12:01

Pressure @ Receipt: 8.50" Hg

Canister #: 5079

Received: 04/12/18 10:34

Comments: PR-15 Start 11:51 4/9/18

Analyzed: 04/13/18 06:23

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0329	0.12		0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8041201-07

Sampled: 04/10/18 11:45

Pressure @ Receipt: 8.50" Hg

Canister #: 5085

Received: 04/12/18 10:34

Comments: PR-22 Start 11:36 4/9/18

Analyzed: 04/13/18 07:25

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8041616-01

Sampled: 04/13/18 10:25

Pressure @ Receipt: 7.50" Hg

Canister #: SAT026

Received: 04/16/18 11:45

Comments: PR-23 Start 10:20 4/12/18

Analyzed: 04/18/18 12:01

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8041616-02

Sampled: 04/13/18 10:27

Pressure @ Receipt: 7.50" Hg

Canister #: 18837

Received: 04/16/18 11:45

Comments: PR-24 Start 10:23 4/12/18

Analyzed: 04/18/18 13:03

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8041616-03

Sampled: 04/13/18 10:18

Pressure @ Receipt: 7.50" Hg

Canister #: SAT140

Received: 04/16/18 11:45

Comments: PR-22 Start 10:13 4/12/18

Analyzed: 04/18/18 14:05

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00490	0.02	U	0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8041616-04

Sampled: 04/13/18 10:34

Pressure @ Receipt: 8.00" Hg

Canister #: 18889

Received: 04/16/18 11:45

Comments: PR-18 Start 10:30 4/12/18

Analyzed: 04/18/18 15:07

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8041616-05

Sampled: 04/13/18 10:30

Pressure @ Receipt: 7.50" Hg

Canister #: SAT031

Received: 04/16/18 11:45

Comments: PR-15 Start 10:27 4/12/18

Analyzed: 04/18/18 16:09

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8041616-06

Sampled: 04/13/18 10:14

Pressure @ Receipt: 9.50" Hg

Canister #: SAT080

Received: 04/16/18 11:45

Comments: Col 1 PR-8 Start 10:09 4/12/18

Analyzed: 04/18/18 17:12

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.681	2.47		0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8041616-07

Sampled: 04/13/18 10:14

Pressure @ Receipt: 8.50" Hg

Canister #: 5045

Received: 04/16/18 11:45

Comments: Col 2 PR-14 Start 10:09 4/12/18

Analyzed: 04/18/18 18:15

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.711	2.58		0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 8041710-01

Sampled: 04/16/18 13:27

Pressure @ Receipt: 7.50" Hg

Canister #: A21015

Received: 04/17/18 10:19

Comments: Col 1 PR-23 Start 13:23 4/15/18

Analyzed: 04/18/18 21:22

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.107	0.39		0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 8041710-02

Sampled: 04/16/18 13:27

Pressure @ Receipt: 9.00" Hg

Canister #: SAT123

Received: 04/17/18 10:19

Comments: Col 2 PR-8 Start 13:23 4/15/18

Analyzed: 04/18/18 22:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.108	0.39		0.0129



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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8041710-03

Sampled: 04/16/18 13:35

Pressure @ Receipt: 7.00" Hg

Canister #: 18878

Received: 04/17/18 10:19

Comments: PR-15 Start 13:30 4/15/18

Analyzed: 04/19/18 01:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 04/26/18 11:32

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AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8041710-04

Sampled: 04/16/18 13:38

Pressure @ Receipt: 7.50" Hg

Canister #: SAT159

Received: 04/17/18 10:19

Comments: PR-18 Start 13:33 4/15/18

Analyzed: 04/19/18 02:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8041710-05

Sampled: 04/16/18 13:32

Pressure @ Receipt: 7.50" Hg

Canister #: SAT010

Received: 04/17/18 10:19

Comments: PR-24 Start 13:27 4/15/18

Analyzed: 04/19/18 03:35

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00670	0.02	U	0.0129



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8041710-06

Sampled: 04/16/18 13:17

Pressure @ Receipt: 6.50" Hg

Canister #: 19656

Received: 04/17/18 10:19

Comments: PR-22 Start 13:15 4/15/18

Analyzed: 04/19/18 04:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00510	0.02	U	0.0129



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RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 FAX: -

FILE #: 0344.00

REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8041710-07

Sampled: 04/16/18 13:13

Pressure @ Receipt: 6.50" Hg

Canister #: SAT114

Received: 04/17/18 10:19

Comments: PR-14 Start 13:10 4/15/18

Analyzed: 04/19/18 05:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

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AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B8D1204 - Summa Canister Prep

Blank (B8D1204-BLK1)

Prepared: 03/29/18 Analyzed: 04/12/18

Chloroprene	ND	ppbv				U
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Duplicate (B8D1204-DUP1)

Source: 8041201-02 Prepared: 04/10/18 Analyzed: 04/13/18

Chloroprene	0.278	ppbv	0.29	3.54	25	
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Duplicate (B8D1204-DUP2)

Source: 8041201-03 Prepared: 04/10/18 Analyzed: 04/13/18

Chloroprene	0.295	ppbv	0.28	5.25	25	
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Batch B8D1806 - Summa Canister Prep

Blank (B8D1806-BLK1)

Prepared: 04/12/18 Analyzed: 04/18/18

Chloroprene	ND	ppbv				U
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Duplicate (B8D1806-DUP1)

Source: 8041616-06 Prepared: 04/13/18 Analyzed: 04/18/18

Chloroprene	0.692	ppbv	0.68	1.63	25	
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Duplicate (B8D1806-DUP2)

Source: 8041616-07 Prepared: 04/13/18 Analyzed: 04/18/18

Chloroprene	0.714	ppbv	0.71	0.323	25	
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Duplicate (B8D1806-DUP3)

Source: 8041710-01 Prepared: 04/16/18 Analyzed: 04/18/18

Chloroprene	0.108	ppbv	0.11	0.838	25	
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Duplicate (B8D1806-DUP4)

Source: 8041710-02 Prepared: 04/16/18 Analyzed: 04/19/18

Chloroprene	0.111	ppbv	0.11	2.74	25	
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REPORTED: 04/26/18 11:32

SUBMITTED: 04/12/18 to 04/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1803038

Initial Cal Check (1803038-ICV1)

Prepared: 03/15/18 Analyzed: 03/16/18

Chloroprene	2.54	ppbv	3.4	30.00
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Sequence 1804026

Calibration Check (1804026-CCV1)

Prepared & Analyzed: 04/12/18

Chloroprene	2.64	ppbv	7.4	30.00
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Sequence 1804040

Calibration Check (1804040-CCV1)

Prepared & Analyzed: 04/18/18

Chloroprene	2.68	ppbv	8.8	30.00
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CERTIFICATE OF ANALYSIS

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REPORTED: 04/26/18 11:32

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AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.